Rahulya Potla

+1(704)837-5430, USA | potlarahulya@gmail.com | Linkedin | Github

EXPERIENCE

Arch Mortgage Insurance
Application Development Intern
June 2023 – Aug. 2023
Greensboro, NC, USA

- Created microservices that merged features from two loan registration systems into a unified platform, accelerating loan evaluation time for the underwriting team. This feature boosted borrower satisfaction while optimizing operational costs.
- Actively participated in design and code reviews, resulting in a 10% improvement in code quality as measured by reduced bug count and improved maintainability metrics.
- Built CI/CD pipeline jobs in Jenkins, automating builds and executing 400 additional tests, boosting test coverage by 35%.
- Refined SQL join conditions with filters to optimize data merging and reducing report generation time by 7.5 minutes.
- Spearheaded a research on a POC to convert HTML files to PDF using *iText* Library to enhance document security and compliance.

Planon Software Services
Software Engineer
July 2021 – July 2022
Hyderabad, India

- Implemented Java Enterprise modules for Planon's Real Estate and Facility Management platform that reduced maintenance costs and improved space utilization by streamlining workflows to automate repetitive tasks.
- Designed multi-threaded modules using Java concurrency utilities, synchronized blocks, and locks for parallel processing.
- Engineered a comprehensive test suite of 800+ unit and integration tests utilizing Mockito for creating mock data and Selenium for automating web application testing. This resulted in a 15% increase in test coverage.
- Collaborated with senior developers to identify and clean data inconsistencies using SQL queries, eliminating data errors, leading to a reduction in wait time of asset retrieval information by 35 seconds.

Arcadis IBI Group
Frontend Software Engineer
Aug. 2019 – June 2021
Hyderabad, India

- Engineered and integrated 5 user interface modules within a cutting-edge SPA using React.js and Deck.gl. This generated an annual revenue of 7 million by providing a digital permitting system and data analytics subscriptions.
- Optimized Deck.gl rendering performance using WebGL shader enhancements, and culminating in a 40% reduction in server load time.
- Enhanced the Curb Analyzer tool with a Comparison dashboard crafted using Chart.js and D3.js, helping the urban planners to layout the policies faster which increased the company revenue by 10% from the previous quarter.
- Composed Redux-based state management system, reducing API calls by 30% and improving rendering performance by 20%.
- Led the development of a generic library of 50+ UI components using Bootstrap and styled-components, reducing development time by 30% and enabling consistent branding and user experience across all the projects in the company.

TECHNICAL SKILLS

Technologies: C/C++, Java EE, Python, JavaScript, TypeScript, HTML5, CSS, ReactJs, Redux, NodeJs, REST API, Bootstrap, Styled Components, SASS, Tailwind CSS, Git, JIRA, Splunk, CI/CD, TDD and Agile Practices
Frameworks: Spring Boot, JUnit, Django, JAX-RS, Mockito and Selenium Web Driver
Programming skills: Microservices architecture, SOLID Principles, Object Oriented Design Patterns, Data Structures and Algorithms and Low-Level System Design
Databases: Oracle, SQL server, MYSQL, MongoDb, PostGreSQL and Firebase

PROJECTS

A Merge Sort algorithmic visualizer - Demo URL
- Developed a Merge Sort Visualizer application using React, JavaScript, and CSS animations to illustrate sorting logic effectively.

An Online trading app - Github
- Developed an interactive web app using NodeJs, ExpressJs, MongoDB and MVC Design Pattern.

Sports Analytics Dashboard - Github
- A Full Stack web application developed with Spring Boot and ReactJS providing intuitive dashboards of cricket data.

ACHIEVEMENTS

Pearl Hacks 2024 Winner - PublicEye
- Received the overall Pearl Hacks winner and Appian: Most Innovative Hack awards for the development of a mobile application using Swift, enabling citizens to report infrastructure issues. Additionally, spearheaded the development of an administrative dashboard in React with pincode-based filtering for efficient area-specific management.
- DevPost URL: https://devpost.com/software/publiceye-8b9qew